FPT
POWERTRAIN TECHNOLOGIES

MARINE
PLEASURE

Our efficiency.
Your edge.

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Index

ABOUT FPT INDUSTRIAL

FPT Industrial is a Brand of Iveco Group, dedicated to the design, production, and sale of powertrains and solutions for on- and off-road vehicles, as well as marine and power generation applications. Over 8,000 people across ten production sites and eleven R&D centers work for FPT Industrial all around the world.

Active in nearly 100 different countries, its global sales and its Customer Service department supports all Brand customers. The extensive product offering includes six engine ranges with power outputs from 42 hp to over 1,000 hp, transmissions with torque up to 500 Nm, and front and rear axles from 2.45 to 32 tonne GAW (Gross Axle Weight). FPT Industrial offers the most complete line-up of natural gas engines for industrial applications on the market, with power outputs ranging from 50 to 520 hp.

A dedicated ePowertrain division is accelerating the path towards net zero-emissions mobility, with electric drivelines, battery packs, and battery management systems.

This extensive offering, and its strong focus on R&D, makes FPT Industrial a world leader in industrial powertrains and solutions.

We are proud to be a people oriented and innovation driven Company, that builds Customer advantage through continuous research and improvement, and creates value by leveraging this advantage.

**We innovate constantly.
We increase the benefits for
end users and create value
for the businesses we serve.**

THE WAVE OF INNOVATION

Superior Technology & Outstanding Advantages

FPT Industrial's engines for pleasure and commercial boats stand out for superb quality, features and application versatility. They bring maximum and continuous specific power and torque at low speed. They achieve better efficiency in all sea conditions. They also boast an impressive durability.

A dramatic reduction of noise and vibrations combines power with sailing pleasure. Exhaust gas emissions have been cut down too, lowering environmental impact.

Our engineering experience has delivered a lightweight design, with high power/volume and power/weight ratios, for easier installation and superior performance.

Performance
High power density and top power delivered for different applications.

Flexibility
A compact engine with a low volume/power ratio.
A full range of available accessories.
Compliant with a wide range of emissions and Class type approvals.
Available in heat exchanger and keel cooled configuration.

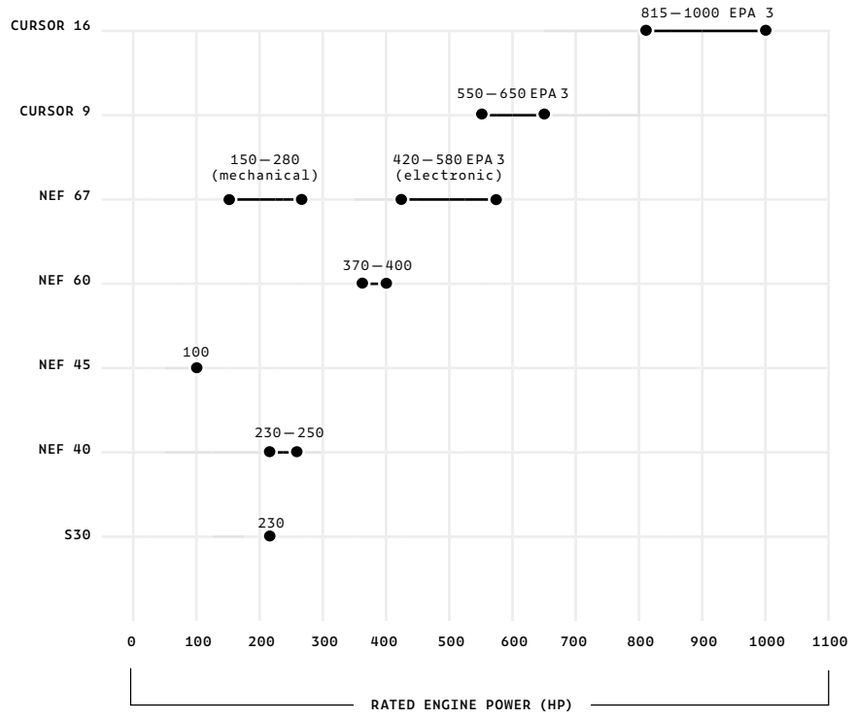
Low Environmental Impact
Outstanding environmental impact reduction is achieved through low emissions and compatibility with various drop-in alternative fuels, among which the HVO (Hydrotreated Vegetable Oil) fuels, resulting in a CO_2 reduction of over 90% without compromising performance and service.

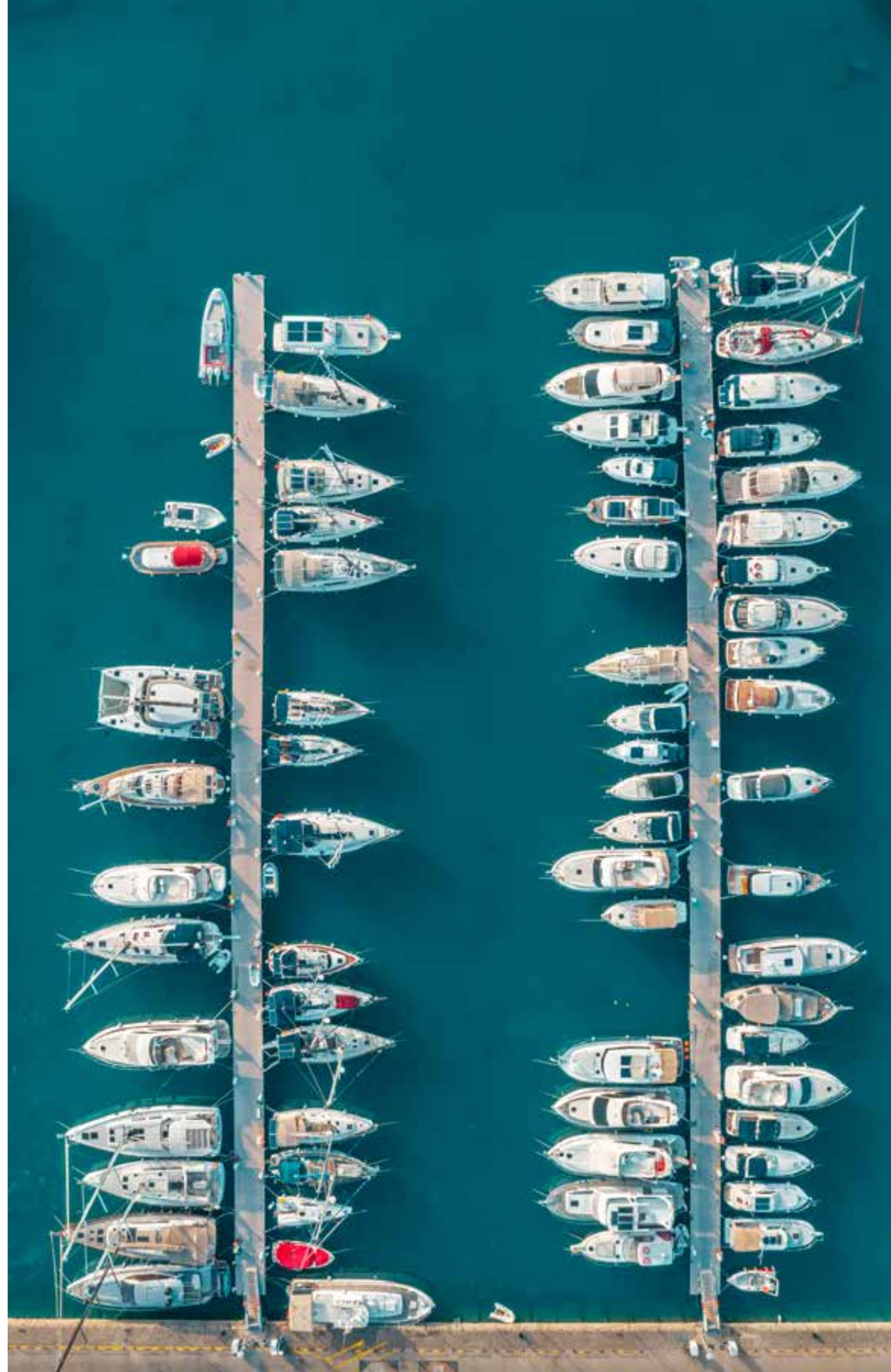
Low Operating Costs
The reduced level of fuel consumption combined with a long maintenance schedule results in a convenient Total Cost of Ownership.

Reliability
FPT Industrial marine long blocks are the same applied on hundreds of thousands on-road and off-road applications worldwide, making them a synonym of reliability and uptime, testified by hundreds of Customers all around the world.

FPT Industrial Marine Engines Portfolio Overview

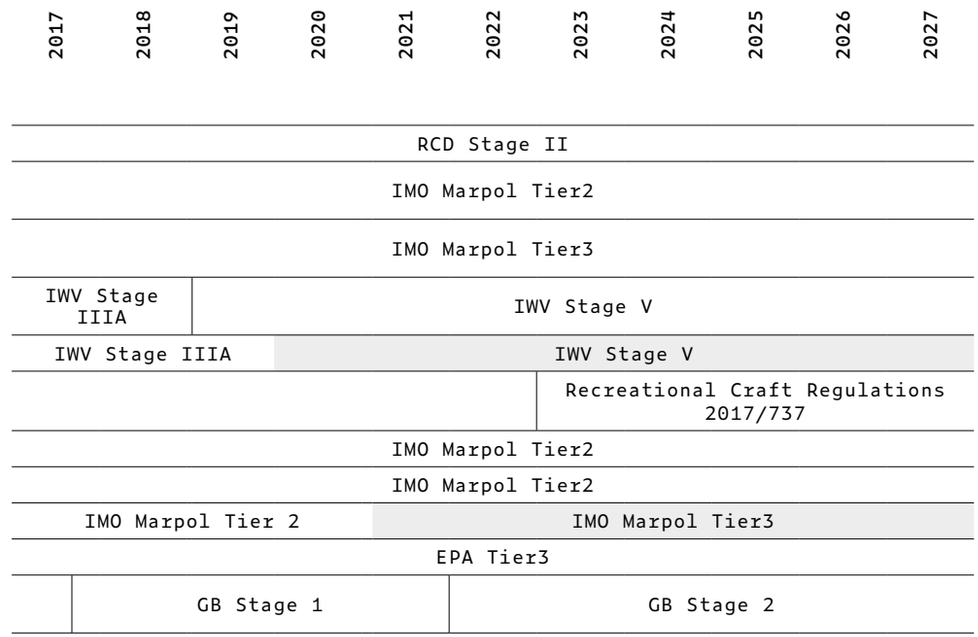
PLEASURE LINE-UP 100-1000 HP





Marine Pleasure Emissions Regulations

Where	Emission Rules
EU Coasts	Vessel < 24 m
	Vessel ≥ 24 m Not ECA area
	Vessel ≥ 24 m ECA area
EU Inland Waterways	IWV Power < 300 kW
	IWV Power ≥ 300 kW
UK (England, Wales, Scotland, Northern Ireland)	UKCA RCR
Worldwide NECA (no ECA)	IMO ≥ 130 kW
Worldwide ECA areas	Vessel < 24 m
	Vessel ≥ 24 m
USA (Flagged vessel)	EPA
CHINA (Inland waterways and Coastal areas)	GB15097



Emission rules - details:

IWV Stage V = Regulation (EU) 2016/1628
IMO-Marpol = ANNEX VI Technical Code 2008
RCD II = European Directive 2013/53/EC
ECA = IMO-Marpol Emission Controlled Area
EPA = 40CFR1042
GB Stage2 = GB15097:2016
= Aftertreatment system (ATS) required

The International Maritime Organization (IMO) regulates exhaust emissions for diesel engines above 130kW (174 hp), with an exemption for engines used exclusively in emergency applications. The IMO Tier III regulation applies within NOx Emission Control Areas and is effective for vessels built after January 1, 2016, in North America and the US Caribbean Sea.

The Nonroad Mobile Machinery Directive rules exhaust emissions from diesel engines installed on inland waterway vessels operating in the European Union (EU). The Recreational Craft Directive regulates noise and exhaust emissions from propulsion engines on recreational craft operating within the EU.

The United States Environmental Protection Agency (EPA) regulates exhaust emissions from diesel engines installed on marine vessels flagged or registered in the United States.

In the People's Republic of China, the GB15097 National Standard aims to prevent and control air pollution from marine engines, thereby improving ambient air quality. It applies to marine engines installed on inland waterway vessels, coasters, sea-river-through ships, channel ships, and fishing boats.

The Recreational Craft Regulations (RCR) 2017/737 are UK laws that establish essential requirements for products before they can be placed on or put into service on the UK market, ensuring their safety. These regulations apply to recreational craft, personal watercraft, certain engines, and specified components.

The GB Type Approval Scheme is the automotive regulatory scheme applicable to manufacturers intending to market vehicles and components in Great Britain. It sets safety and environmental standards for new vehicles, parts, and equipment. This scheme is based on the retained EU legislation as of December 31, 2020, and subsequent UK legislation that amends or supplements the retained EU legislation.

Marine Rating Classification

Full load reference conditions

Reference	**ISO 8665**
Ambient pressure (kPA):	100
Air inlet temperature (°C):	25
Relative humidity (%):	30
Fuel density (kg/dm³):	0,835
Fuel calorific value (kJ/kg):	42700
Fuel temperature (°C):	40

Variable speed Rating class

		Definition
A1	Short range fast pleasure service	Limited to 10% of time Cruising speed at engine rpm <90% of calibration rated speed 300 h/y
A2/B1	Long range pleasure/commercial service	Limited to 10% of time Cruising speed at engine rpm <90% of calibration rated speed 1000 h/y
B	Light duty	Limited to 10% of time Cruising speed at engine rpm <90% of calibration rated speed 1500 h/y
C	Medium duty	Limited to 25% of time Cruising speed at engine rpm <90% of calibration rated speed 3000 h/y
D	Heavy duty	up to 100% of time unlimited h/y

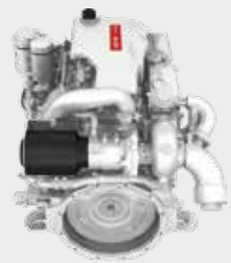
Variable speed engines line-up

Engine model	Rating	kW	hp	rpm	Dimensions* (L**xWxH) (mm)	Dry Weight (kg)
S30 230 E	A1	169	230	4000	780 x 776 x 755	330
N40 250 E	A1	184	250	2800	834 x 708 x 772	490
N40 250 E	A2	169	230	2800	834 x 708 x 772	490
N45 100	A1	74	100	2800	811 x 700 x 836	450
N60 400 E	A1	294	400	3000	1089 x 726 x 789	595
N60 400 E	A2	272	370	3000	1089 x 726 x 789	595
N67 150	A1	110	150	2800	1052 x 705 x 910	530
N67 220	A1	162	220	2800	1072 x 749 x 800	605
N67 280	A1	206	280	2800	1072 x 749 x 800	605
N67 450 N	A1	331	450	3000	1088 x 717 x 789	600
N67 450 N	A2	309	420	3000	1088 x 717 x 789	600
N67 550	A1	404	550	3200	1089 x 828 x 824	721
N67 550	A2	368	500	3200	1089 x 828 x 824	721
N67 570 EVO	A1	419	570	3000	1089 x 828 x 805	721
N67 570 EV0	A1	404	550	3000	1089 x 828 x 805	721
N67 570 EV0	A2	390	530	3000	1089 x 828 x 805	721
C90 620 E	A1	456	620	2530	1312 x 863 x 973	940
C90 620 E	A2	445	605	2530	1312 x 863 x 973	940
C90 620 E	A2	426	580	2530	1312 x 863 x 973	940
C90 620 E	A2	404	550	2530	1312 x 863 x 973	940
C90 650 E	A1	478	650	2530	1312 x 863 x 973	940
C90 650 E	A2	445	605	2530	1312 x 863 x 973	940
C90 650 EVO	A1	478	650	2530	1226 x 899 x 1009	1014
C90 650 EVO	A2	460	625	2530	1226 x 899 x 1009	1014
C16 1000	A2	735	1000	2300	1470 x 1166 x 1169	1640
C16 1000	B	662	900	2300	1470 x 1166 x 1169	1640

* Dimensions can be changed according to engine options.
** length at flywheel.

THE S30 SERIES

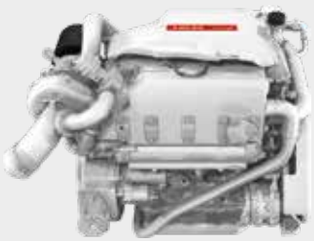
169 KW / 4 L



Thanks to its extraordinary performance/consumption trade-off and its low emission level, our S30 family is perfect for powering any kind of light planing or semi-planing pleasure boat up to 8 meters.

The S30 engine is offered in high-performance, light-duty versions, and can be customized on request. The wide range of options includes monitoring systems, stern drives, emission certifications.

S30



S30 230 E

Arrangement:	4 Cyl. in line
Total Displacement (L):	3,0
Maximum Power (kW (Hp) @ rpm):	169 (230) @ 4000
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L^2xWxH) 780 x 776 x 755 mm
Dry Weight	330 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II
A1	169	230	4000	259	●	●

Air Handling

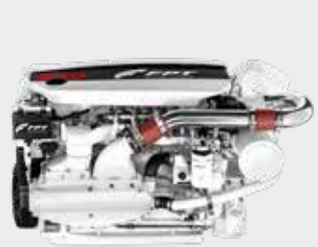
TCA	Turbocharged with aftercooler
TC	Turbocharged
NA	Naturally Aspirated

Injection System

M	Mechanical
CR	Common Rail
EUI	Electronic Unit Injector

THE NEF SERIES

74 – 419 KW / 3,9 – 6,7 L

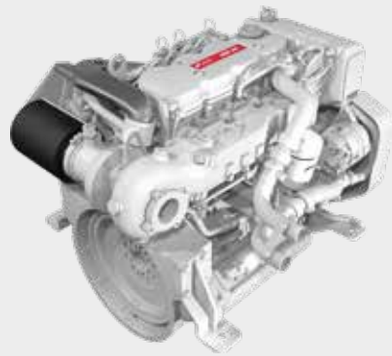


The NEF Series is the widest among FPT Industrial engine family for Pleasure and Commercial marine duties, with four different displacements available in mechanical and electronic version.

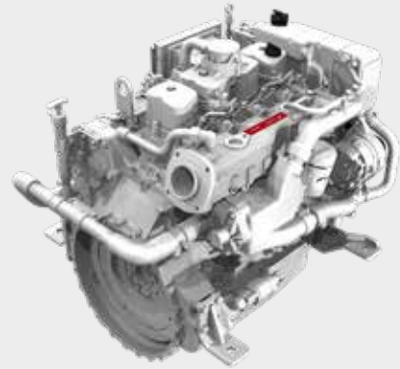
The NEF engines Pleasure range are characterized by advanced mechanical fuel injection and electronic common rail systems, and ensure high performance, light weight, compact design, low fuel consumption, noise and vibrations.

The NEF Series is offered in governmental, high performance, light duty versions, and can be customized on request.

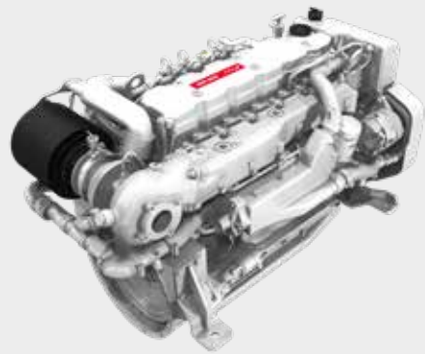
N40



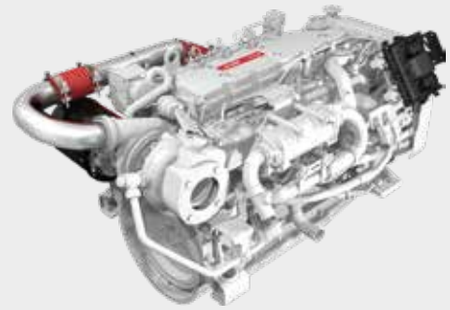
N45



N60



N67



N40 250 E

Arrangement:	4 Cyl. in line
Total Displacement (L):	3,9
Maximum Power (kW (Hp) @ rpm):	184 (250) @ 2800
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L**xWxH) 834 x 708 x 772 mm
Dry Weight	490 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II
A1	184	250	2800	219	●	●
A2	169	230	2800	235	●	●

Air Handling
TCA Turbocharged with aftercooler
TC Turbocharged
NA Naturally Aspirated

Injection System
M Mechanical
CR Common Rail
EUI Electronic Unit Injector

N45 100

Arrangement:	4 Cyl. in line
Total Displacement (L):	4,5
Maximum Power (kW (Hp) @ rpm):	74 (100) @ 2800
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	NA
Valves per cylinder:	2
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Mechanical
Injection System:	M

WEIGHT AND DIMENSIONS

Dimensions[1]	(L[2]xWxH) 811 x 700 x 836 mm
Dry Weight	450 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II
A1	74	100	2800	260	exempted

Air Handling
TCA Turbocharged with aftercooler
TC Turbocharged
NA Naturally Aspirated

Injection System
M Mechanical
CR Common Rail
EUI Electronic Unit Injector

N60 400 E

Arrangement:	6 Cyl. in line
Total Displacement (L):	5,9
Maximum Power (kW (Hp) @ rpm):	294 (400) @ 3000
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L[2]xWxH) 1089 x 726 x 789 mm
Dry Weight	595 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II
A1	294	400	3000	231	●	●
A2	272	370	3000	227	●	●

Air Handling
TCA Turbocharged with aftercooler
TC Turbocharged
NA Naturally Aspirated

Injection System
M Mechanical
CR Common Rail
EUI Electronic Unit Injector

N67 150

Arrangement:	6 Cyl. in line
Total Displacement (L):	6,7
Maximum Power (kW (Hp) @ rpm):	110 (150) @ 2800
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	NA
Valves per cylinder:	2
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Mechanical
Injection System:	M

WEIGHT AND DIMENSIONS

Dimensions[1]	(L[2]xWxH) 1052 x 705 x 910 mm
Dry Weight	530 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II
A1	110	150	2800	255	exempted

Air Handling
TCA Turbocharged with aftercooler
TC Turbocharged
NA Naturally Aspirated

Injection System
M Mechanical
CR Common Rail
EUI Electronic Unit Injector

N67 220

Arrangement:	6 Cyl. in line
Total Displacement (L):	6,7
Maximum Power (kW (Hp) @ rpm):	162 (220) @ 2800
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TC
Valves per cylinder:	2
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Mechanical
Injection System:	M

WEIGHT AND DIMENSIONS

Dimensions[1]	(L[2]xWxH) 1072 x 749 x 800 mm
Dry Weight	605 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)
A1	162	220	2800	241

Air Handling

TCA	Turbocharged with aftercooler
TC	Turbocharged
NA	Naturally Aspirated

Injection System

M	Mechanical
CR	Common Rail
EUI	Electronic Unit Injector

N67 280

Arrangement:	6 Cyl. in line
Total Displacement (L):	6,7
Maximum Power (kW (Hp) @ rpm):	206 (280) @ 2800
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	2
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Mechanical
Injection System:	M

WEIGHT AND DIMENSIONS

Dimensions[1]	(L[2]xWxH) 1072 x 749 x 800 mm
Dry Weight	605 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II
A1	206	280	2800	240	●

Air Handling

TCA	Turbocharged with aftercooler
TC	Turbocharged
NA	Naturally Aspirated

Injection System

M	Mechanical
CR	Common Rail
EUI	Electronic Unit Injector

N67 450 N

Arrangement:	6 Cyl. in line
Total Displacement (L):	6,7
Maximum Power (kW (Hp) @ rpm):	331 (450) @ 3000
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L^2xWxH) 1088 x 717 x 789 mm
Dry Weight	600 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II	EPA Tier 3 Recreational	China GB II (GB15097-2016)
A1	331	450	3000	231	●	●	●	–
A2	309	420	3000	224	●	●	●	●

Air Handling
TCA Turbocharged with aftercooler
TC Turbocharged
NA Naturally Aspirated

Injection System
M Mechanical
CR Common Rail
EUI Electronic Unit Injector

N67 550

Arrangement:	6 Cyl. in line
Total Displacement (L):	6,7
Maximum Power (kW (Hp) @ rpm):	404 (550) @ 3200
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L^2xWxH) 1089 x 828 x 824 mm
Dry Weight	721 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II	EPA Tier 3 Recreational	China GB II (GB15097-2016)
A1	404	550	3200	225	●	●	●	–
A2	368	500	3200	231	●	●	●	●

Air Handling
TCA Turbocharged with aftercooler
TC Turbocharged
NA Naturally Aspirated

Injection System
M Mechanical
CR Common Rail
EUI Electronic Unit Injector

N67 570 EVO

Arrangement:	6 Cyl. in line
Total Displacement (L):	6,7
Maximum Power (kW (Hp) @ rpm):	419 (570) @ 3000
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L^2xWxH) 1088 x 828 x 805 mm
Dry Weight	721 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II	EPA Tier 3 Recreational
A1	419	570	3000	223	●	●	●
A1	404	550	3000	227	●	●	●
A2	390	530	3000	225	●	●	●

Air Handling

TCA	Turbocharged with aftercooler
TC	Turbocharged
NA	Naturally Aspirated

Injection System

M	Mechanical
CR	Common Rail
EUI	Electronic Unit Injector

Our range of marine engines boasts an innovative design that combines low emissions and noise with outstanding high-performance and compactness, resulting in a remarkable power density.

THE CURSOR SERIES

404 – 735 KW / 8,7 – 15,9 L

Cursor engines offer outstanding power output standards and the highest levels of reliability.

These versatile engines are suitable for both planning and semi-planning boats up to 24 meters, as well as catamarans, making them ideal choices for high-speed boats, yachts, patrol boats and sport fishing vessels. The Cursor Series is offered in high-performance, light, medium and heavy-duty versions. All engines can be customized on request.

C90

C16

C90 620 E

Arrangement:	6 Cyl. in line
Total Displacement (L):	8,7
Max Power (kW (Hp) @ rpm):	456 (620) @ 2530
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L^2xWxH) 1312 x 863 x 973 mm
Dry Weight	940 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II	EPA Tier 3 Recreational	China GB II (GB15097-2016)
A1	456	620	2530	226	●	●	●	-
A2	445	605	2530	232	●	-	●	-
A2	426	580	2530	220	●	●	●	-
A2	404	550	2530	224	●	●	●	●

Air Handling

TCA	Turbocharged with aftercooler
TC	Turbocharged
NA	Naturally Aspirated

Injection System

M	Mechanical
CR	Common Rail
EUI	Electronic Unit Injector

C90 650 E

Arrangement:	6 Cyl. in line
Total Displacement (L):	8,7
Maximum Power (kW (Hp) @ rpm):	478 (650) @ 2530
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L^2xWxH) 1312 x 863 x 973 mm
Dry Weight	940 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II	EPA Tier 3 Recreational
A1	478	650	2530	225	●	●	●
A2	445	605	2530	232	●		●

Air Handling

TCA	Turbocharged with aftercooler
TC	Turbocharged
NA	Naturally Aspirated

Injection System

M	Mechanical
CR	Common Rail
EUI	Electronic Unit Injector

C90 650 EVO

Arrangement:	6 Cyl. in line
Total Displacement (L):	8,7
Max Continuous Power (kW (Hp) @ rpm):	478 (650) @ 2530
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA + supercharger
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L[2]xWxH) 1226 x 899 x 1009 mm
Dry Weight	1014 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II	EPA Tier 3 Recreational
A1	478	650	2530	223	●	●	●
A2	460	625	2530	227	●	●	●

Air Handling

TCA	Turbocharged with aftercooler
TC	Turbocharged
NA	Naturally Aspirated

Injection System

M	Mechanical
CR	Common Rail
EUI	Electronic Unit Injector

C16 1000

Arrangement:	6 Cyl. in line
Total Displacement (L):	15,9
Maximum Power (kW (Hp) @ rpm):	735 (1000) @ 2300
Thermodynamic cycle:	Diesel 4 stroke
Air handling:	TCA
Valves per cylinder:	4
Cooling System:	Liquid
Direction of Rotation (viewed facing flywheel):	Counterclockwise
Engine management:	Electronic
Injection System:	CR

WEIGHT AND DIMENSIONS

Dimensions[1]	(L[2]xWxH) 1470 x 1166 x 1169 mm
Dry Weight	1640 Kg

[1] Dimensions can be changed according to engine options
[2] Length at flywheel

Rating	kW	hp	rpm	g/kWh (Rated Speed)	IMO II	RCD II	EPA Tier 3 Recreational	China GB II (GB15097-2016)
A2	735	1000	2300	228	●	●	●	●
A2	691	940	2450	234	●	-	-	-
B	662	900	2300	231	●	●	●	●

Air Handling

TCA	Turbocharged with aftercooler
TC	Turbocharged
NA	Naturally Aspirated

Injection System

M	Mechanical
CR	Common Rail
EUI	Electronic Unit Injector

MARINE ENGINE OPTIONS

FPT Industrial offers a whole range of options to complete your engine.

Elastic Mountings

Electrical system
- Electrical configuration 12V or 24V
- Insulated poles electrical system
- Uprated Alternators

Power Take-Off
- Front PTO
- Rear PTO

Monitoring&Control
- Gauges and sensors
- Digital and analog panels
- Electronic throttle levers and joystick
- Multi-function panels
- Water cooled or dry exhaust pipes
- Gearboxes
- Emission and Class type approvals engine certification with various classification societies

Please contact your local distributor on our locator at fptindustrial.com to get more information.

RED HORIZON

The FPT Industrial's marine integrated electronic control and monitoring system.

Red Horizon is FPT Industrial's marine integrated electronic control and monitoring system developed in partnership with ZF and Navico (Simrad).

Conceived as the perfect connection between pilot and engine, Red Horizon is a combination of high-tech contents and style that culminates in unmatchable performance, excellent maneuverability, and mooring.

Characterized by a skillful and inimitable mix of high-tech contents and style, Red Horizon guarantees full navigation control and safety, optimal piloting comfort and easy handling and mooring.

Find out more at:

Simrad Navigation Display Line-Up

App for Screen Mirroring

Built in Wi-Fi connectivity means no extra hardware is required:

- Mirror your GO, NSS and NSO Series screen on compatible smartphones by downloading the Link app (by Navico GoFree), available for Android and iOS.
- Access to your GO, NSS and NSO Series using your tablet.

Additional Functions

We offer the ability to integrate additional devices that can enhance your boating experience, which are not available through FPT Industrial. These devices are designed to complement your boating activities and provide added functionality and convenience. From advanced navigation systems and fish finders to entertainment systems and communication devices, we can work with you to customize your boat with the latest technology and accessories that meet your specific needs and preferences. Our goal is to ensure that your boating experience is as enjoyable and fulfilling as possible, through the possibility to add:

- Radar and Weather
- Autopilot
- Camera / Thermalcamera
- Echosounder
- Trip Data Statistics
- Audio Control

Compatibility

- NEF Family: N40, N60, N67 450 N, N67 550, N67 570 EVO
- Cursor Family: C90 170, C90 410, C90 650 E, C90 620 E, C90 650 EVO, C16 600, C16 1000

FPT Industrial Premium Control

- FPT Industrial adopts ZF electronic propulsion control systems (SmartCommand) specifically matched for FPT Industrial engines.
  The FPT Industrial Premium Control integrates **the latest CAN bus technology** into a user friendly control head: ZF 5200.

- The FPT Industrial Premium Control offers the freedom to customize special features for docking or trolling.
  Advanced control modes include:

  ✓ **CRUISE**
  ✓ **EASIDOCK**
  ✓ **AUTOTROLL**
  ✓ **WARM UP**
  ✓ **ONE LEVER**

FPT Industrial Premium Joystick

- FPT Industrial adopts ZF manoeuvring systems (JMS) specifically matched for FPT Industrial engines. The FPT Industrial Premium Joystick provides **simple and intuitive boat control** during manoeuvres and allows the captains to easily manoeuvre the vessel in complex docking situations.
  The FPT Industrial Premium Joystick is an optional solution that can be added to Premium Control systems.

- Manoeuvres such as moving sideways to the dock, 360° rotation on the spot and vessel control at low speed, to improve with standard control heads, become easy operations.

- Thanks to an integrated electronic compass, the FPT Industrial Premium Joystick, **keeps the vessel going in the selected direction**.

CUSTOMER SERVICE

YOU ASK FOR THE BEST. WE MAKE IT HAPPEN.

When the market becomes increasingly challenging, it is essential to have reliable partners.

We collaborate closely with you to provide tailor-made solutions, maximizing engine performance and durability. We are committed to doing everything possible to support you and your business.

Find out more at:

Extended Warranty.
Everyday closer to your needs.

On top of the standard after sales support, it is possible to submit our Extended Warranty program, that covers all required FPT Industrial Genuine parts along with any repairs carried out by highly qualified technicians.

The FPT Industrial Extended Warranty guarantees:

- Customizable offer according to your needs.
- Peace of mind: Warranty costs of your FPT Industrial Product are known in advance.
- Performed by FPT Industrial qualified technicians.
- Optimal Product performance thanks to FPT Industrial Genuine Parts.

Our FPT Industrial Extended Warranty is made with the aim to be closer to you in your everyday activities. You can customize it according to your needs and extend it up to five years. To request a quotation please contact your FPT Industrial Dealer of reference.

	KM/HOURS COVERAGE	PERIMETERS	DURATION
	Max. limit depending on rating ☐ A1 rating up to Max 1.500 hrs ☐ A2 rating up to Max 5.000 hrs ☐ B2 rating up to Max 7.500 hrs ☐ C & D rating up to Max 10.000 hrs	☐ BRONZE Engine Major components only* ☐ SILVER Complete Engine	☐ 2 Years ☐ 3 Years ☐ 4 Years ☐ 5 Years

* List of major components: cylinder head; cylinder block; crankshaft; camshaft; connecting road; pistons; timing gears; flywheel; flywheel housing; oil pump; exhaust manifold; engine control unit.

Proactive Assistance.
Your direct connection to the Control Room.

Ensuring optimal engine performance and smooth operations has never been easier, thanks to our advanced connected services, MyFPT App and FPT Industrial Dongle connection. This device connects directly to your engine, allowing our Control Room to analyse your engine data in real-time. Through this advanced system, we can promptly detect any anomalies and identify areas for optimization.

Our dedicated team is always ready to provide prompt assitance and support. With this proactive approach, we can address any potential issues, ensuring that your engine performs at its best.

Experience the convenience of enhanced engine performance and the peace of mind that comes with our close monitoring and support.

- Health status monitoring.
- Maximize uptime thanks to the prompt activation of the FPT Industrial local Service Point, which is informed about the issue in advance even leaving its workshop.
- Engine diagnostics and repair based on FPT Industrial technical know-how and field experience.
- Monitor the performances of individual boat or fleet in real time, with periodic reports tailored to your mission.
- Technical cost of ownership (TCO) reduction by minimizing downtime.

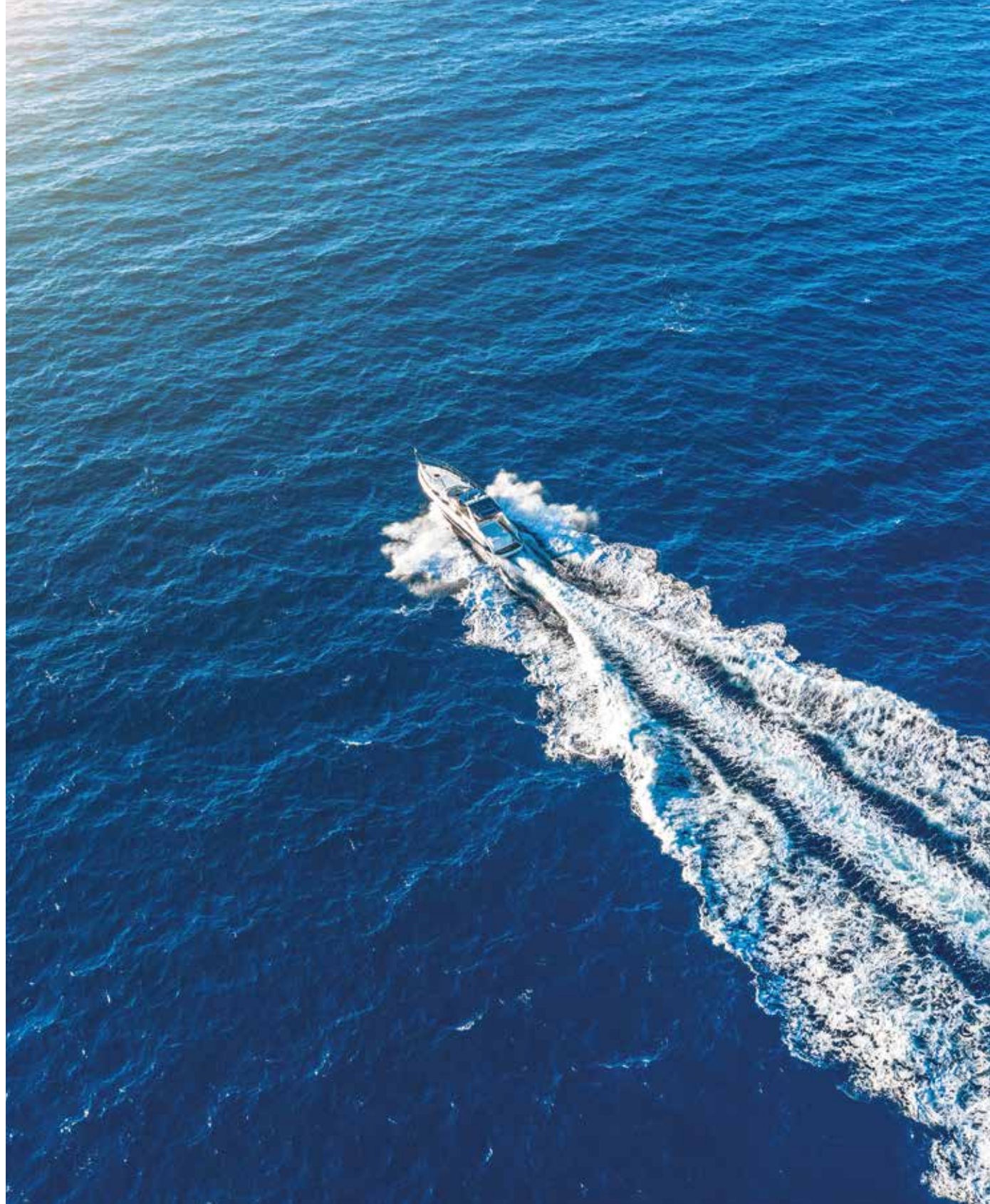
You need help?
We are here for you.

Because you never stop, neither do we. Our Customer Contact Centre is active 24/7, to assist you and to activate our local support network.

For any issue or need, our technical and expert support service is ready to help you anytime, anywhere.

If you need technical support or assistance on-site, you can always rely on a 70 dealers global network and over 900 service points.

Discover our global dealers' network:



All the pictures, drawings illustrations and descriptions contained in this brochure are based on product information available to FPT Industrial at the time of printing (30/11/2023). Some of the engine line-ups may refer to a specific market configuration which may not be present or offered for sale available in all other markets. The colors featured in this brochure may differ from the originals. FPT Industrial reserves the right to introduce any modifications, at any time and without any prior advance notice, to design, material, components equipment and/or technical specifications.

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FPT Industrial S.p.A.

Via Puglia 15, 10156
Torino, Italy

fptindustrial.com

marketing@
fptindustrial.com

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